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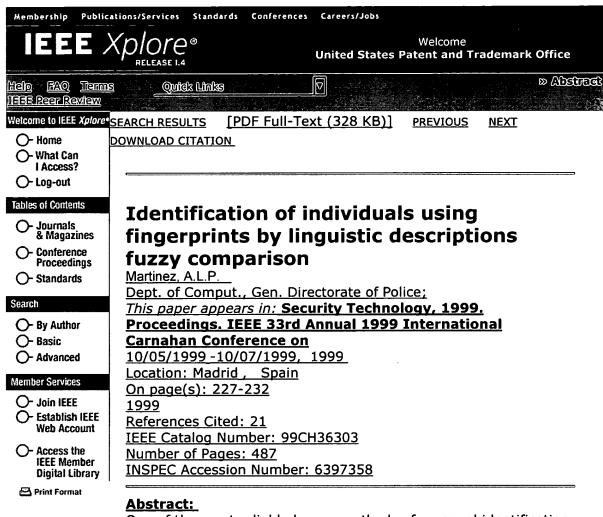
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One of the most reliable known methods of personal identification (besides DNA recognition) is the use of fingerprints of an individual. In the present paper it is sought to introduce a new method of personal identification through fingerprints by comparing two fingerprints (one known and the other unknown) by means of linguistic elements fuzzy comparison. For each fingerprint a linguistic expression will be generated from a type of grammar that will also be defined. The fuzzy comparison of the elements of these expressions will form the hit/no-hit between both fingerprints

Index Terms:

fingerprint identification fuzzy logic grammars fingerprints grammar linguistic descriptions fuzzy comparison personal identification

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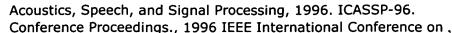
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Abdur Chowdhury, Ophir Frieder, David Grossman, Mary Catherine McCabe
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